Roland

# HP-Series

Digital Pianos

***HP107 / HP103 / HP101***

Roland®

## Endless enjoyment and expressiveness to satisfy piano lovers of all ages—introducing Roland's extraordinary new HP-Series.

Of all Roland's digital pianos, the HP-Series has always been the most popular among "piano purists." That's because Roland has always made the series sound and feel like an acoustic grand piano, for the most authentic and enjoyable piano playing experience imaginable.

With the new and improved HP-Series, Roland has made a great thing even better.

Each model in this new lineup boasts an impressive number of features, including Roland's latest and best stereo-sampled piano sounds, a Progressive Hammer-Action Keyboard, three pedals for more expressive performance, a stylishly-redesigned, compact mahogany cabinet with sliding keyboard cover, a metronome function for lessons, and a headphone hook for convenience.

The series perfectly re-creates sparkling, vibrant, full-concert acoustic grand piano sound and natural, responsive touch, with more depth, more feeling and more realism than ever before.

The new HP-Series will put enormous power of expression at your fingertips. Whether you're a beginner or a pro, it will inspire your creativity, and give you unrivaled piano-playing enjoyment and performance possibilities.

# HP107

*All the expressive power of an acoustic grand piano, with the exciting digital performance features you'd expect from the flagship of the HP-Series*

The HP107 is simply amazing! Its fine stereo-sampled piano tones and advanced sound features provide the rich and astonishingly realistic sound of a full-concert grand piano. Its Progressive Hammer-Action Keyboard with Escapement delivers the authentic, natural touch of an acoustic grand, too. It's the ultimate piano for every musical home. And it's loaded with advanced digital features for performance and practice support. From its half-pedal playability to its elegant new cabinet design with carefully-rounded edges and sliding keyboard cover, as well as its numerous internal songs, the HP107 is wonderful to play, beautiful to look at, and a pleasure to listen to.

HP107-MH
Simulated mahogany finish

# Stunning, rich piano sound

***Unprecedented realism for unmatched power of expression***

## Realistic new Piano Resonance

The HP107's incredible new Piano Resonance suite reproduces the rich resonance sounds of a grand piano, responding to every touch of the player's fingers, and delivering Roland's most authentic and expressive piano nuances yet. The velocity-sensitive Key Off Resonance re-creates the delicate sound of the damper touching the strings upon key release, and replicates the residual reverberation in the soundboard and cabinet. The String Resonance feature accurately re-creates the same subtle and varied sympathetic string vibration as on an acoustic piano when a key is pressed while other keys are already being held down. Damper Resonance reproduces the "free-vibration" sound in the strings when playing an acoustic piano with the damper pedal pressed. It also simulates the sudden expansiveness of sound created when you press the damper after hitting a note. This is as realistic as it gets. On the HP103 and HP101, there is a more basic Damper Resonance function, which re-creates the rich sympathetic string resonance sound when the damper pedal is pressed.

## All-enveloping Grand Sound

Grand Sound

The HP107's powerful new Grand Sound speaker system surrounds you with gorgeous grand piano sound. Dynamic tweeters on top of the cabinet and full-range speakers in enclosures under the keyboard deliver the immersive depth and exceptional presence of an acoustic concert grand. The higher tones seem to come from above you and the lower tones from below you. It's breathtaking! And it's perfectly balanced from the listener's position as well.

## Grand Space: magical 3D sound

At the touch of a button, suddenly the sound takes on a three-dimensional depth and presence, as if it were coming from somewhere farther in front of you. That's the magic of Roland's all-new Grand Space feature, which adds richness and a gorgeous grand piano resonance to your playing. This function is just as amazing through headphones, making it seem as if the sound is coming from somewhere beyond them—like from the long soundboard of an acoustic grand. You have to experience it to believe it! (Available on HP107 and HP103.)

## Impressive harmony with Dynamic Emphasis

This feature, employing advanced DSP technology, instantly enhances the lower and upper range of the piano sounds. The high and low notes become more clearly delineated, and each note of the harmony stands out crisply and powerfully, for richer tones, sweeter harmony, and dynamic sound that you can feel as you play. (Available on HP107 and HP103.)

## 128-voice polyphony

The HP107 delivers 128-voice polyphony so you never need to worry about note cutoffs, even on fast passages or with heavy use of the damper pedal.

# Natural grand piano touch

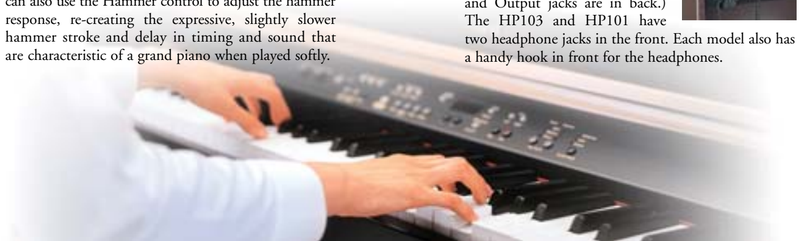
***True acoustic piano performance and responsiveness you'll feel every time you play***

## The expressive touch of an acoustic grand

All three models in the HP-Series incorporate one of Roland's acclaimed Progressive Hammer-Action Keyboards, for the natural touch and playing performance of an acoustic grand piano. The keyboards use real hammers rather than springs, providing a lighter touch in the upper range, a heavier touch in the lower range, lighter resistance when playing *pianissimo*, heavier resistance when playing *fortissimo*, and a vast touch difference between *pianissimo* and *fortissimo*—exactly like an acoustic grand. The Progressive Hammer-Action Keyboard with Escapement (HP107 only) even reproduces the escapement characteristics of a grand piano, with the same slight "click" feel. The HP-Series will faithfully respond to each delicate nuance of your fingers.

## Keyboard customize features

The keyboard offers a number of key-touch adjustment features for greater expression. With the Touch control, you can customize the key touch (Light, Medium, Heavy, or Fixed) on any model in the HP-Series to suit your finger strength and playing style. On the HP107, you can also use the Hammer control to adjust the hammer response, re-creating the expressive, slightly slower hammer stroke and delay in timing and sound that are characteristic of a grand piano when played softly.



# Elegant new cabinet design

***An ideal balance of beauty and functionality to suit any room***

## Meticulously crafted, designed for convenience

The HP-Series' cabinets were carefully designed with the little details in mind. Their elegant, eye-catching mahogany finish and keyboard covers make them a welcome addition to every interior. And with a large, adjustable music rest with handy music clips, and a control panel slanted for ease of operation, they're also convenient and easier to play. Plus, since they have no protruding power cord in back, they are flatter and more compact. The new HP-Series is the perfect balance of beauty and functionality. (Music clips not available on HP103-PE [simulated polished ebony finish] or HP101. Slanted control panel available on all models except HP101.)

## Easy-access jacks and headphone hook

The HP107's two headphone jacks, MIDI In and Out jacks, and USB ports are conveniently positioned on the front of the instrument for easy access. (Input and Output jacks are in back.) The HP103 and HP101 have two headphone jacks in the front. Each model also has a handy hook in front for the headphones.

# Advanced digital features

***Exciting practice and lesson features only possible in a Roland digital piano***

HP107 Front Panel

## Instant ensembles with Acoustic Layering

With the HP107, you can layer on top of the piano tone one of four different tones (strings, choir, etc.) specially selected to sound great with the piano. Whatever acoustic layer you choose, you'll be amazed at the depth and rich, impressive sound you can produce. Greater power of expression is just a button touch away.

## Accent Pedal for rousing performances

The HP107's assignable Accent Pedal function lets you add exciting highlights to your music to greatly widen your range of expression. With both hands playing naturally, just press the center pedal for instant Acoustic Layering. Or set it to add harmony played one octave higher. You can use it to temporarily increase the volume and to add a brilliant climax to the music while the pedal is pressed. Dynamic performances have never been so easy.

## Practice with the internal songs

The HP107 offers 68 popular internal practice songs (66 songs on HP103), so you can start playing the day you bring it home. These songs are ideal for piano practice. You can listen to them, change their tempo, or mute either hand's part and play along. The HP107 and HP103 also come with Roland's *60 Classical Piano Masterpieces* music book, containing the scores of most of the internal songs. (HP101 has 65 internal songs for playback only.)

## A variety of instrument tones

You can choose from 36 realistic instrument tones on the HP107, such as fabulous piano, electric piano, harpsichord, organ, strings and many others—plus an additional 4 tones exclusive to Acoustic Layering. (Choose from 20 tones on HP103 and 14 tones on HP101.) For more performance fun, select a different instrument for each hand with the Split function, or combine two sounds for Dual mode play. (Split mode available on HP107 and HP103.)

## Metronome and 2-track recorder

All three models in the HP-Series have a metronome function to help you develop a sense of rhythm and timing. On the HP107 and HP103, there is also a 2-track recorder, so you can record your performances and play them back to check on your progress as you improve.

## USB connectivity

You can connect your HP107 piano to your computer via USB to save or play back performance data in real time. (USB-MIDI only.)

## Appealing new Demo function

The advanced Demo function lets you switch the Piano Resonance, Grand Space, and many other onboard functions on/off while the dedicated demo phrases play, so you can immediately hear how each function sounds—and discover just how powerful and expressive the new HP-Series really is. (Available on HP107 and HP103.)

# HP103

*Roland's popular standard model,*
*offering fine piano sound and touch, refined design,*
*and excellent performance features to satisfy all players*

With its strikingly real grand piano and other instrument sounds, its authentic acoustic piano touch, and host of features to make playing and practicing more fun, the HP103 is built to satisfy. Its refined but contemporary upgraded cabinet and stand (simulated mahogany finish model only) offer the dignified and stately air of an acoustic upright piano. You'll love the metronome, 2-track recorder, and numerous internal songs, as well as the Grand Space and other digital sound enhancement features. For beginners and seasoned players alike, it's the ideal blend of craftsmanship and technology.



HP103-PE
Simulated polished ebony finish

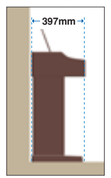


HP103-MH
Simulated mahogany finish

# HP101

*The HP-Series' basic model,*
*with three pedals, a sliding keyboard cover*
*and more features than ever before*

The affordably-priced but uncompromisingly-crafted HP101 is built for endless piano enjoyment and musical creativity. It offers a rich, exceptionally realistic grand piano sound, as well as its own Compact Progressive Hammer-Action Keyboard with a varied touch resistance between the upper and lower ranges, just like an acoustic grand. It also features three pedals, a sliding keyboard cover, and a compact new cabinet that requires less clearance space in back, and fits almost anywhere. The HP101 is the perfect "first" piano for any home.



HP101-MH
Simulated mahogany finish

# Specifications

| | | | HP107 | HP103 | HP101 |
|---|---|---|---|---|---|
| **Keyboard** | Keyboard | | 88 keys (Progressive Hammer-Action Keyboard with Escapement) | 88 keys (Progressive Hammer-Action Keyboard) | 88 keys (Compact Progressive Hammer-Action Keyboard) |
| | Touch Sensitivity | Touch | Light, Medium, Heavy, Fixed | | |
| | | Hammer Response | Light, Medium, Heavy, Off | – | |
| | Keyboard Mode | | Whole | | |
| | | | Layer / Dual (volume balance adjustable) | | |
| | | | Split (split point adjustable) | | – |
| **Sound Generator** | Max. Polyphony | | 128 voices | 64 voices | |
| | Tones | | 36 tones in 5 groups + 4 tones for Acoustic Layering | 20 tones in 5 groups | 14 tones |
| | Temperament | | 8 types, tonic selectable | 7 types, tonic selectable | |
| | Stretched Tuning | | 2 types | | |
| | Master Tuning | | 415.3 Hz - 466.2 Hz (0.1 Hz Step) | | |
| | Transpose | | -6 to +5 (in semitones) | | |
| | Effect | | Reverb (10 levels)<br>Chorus (10 levels)<br>Grand Space<br>Dynamic Emphasis | Reverb (8 levels)<br>Chorus (E. Piano only)<br>Grand Space<br>Dynamic Emphasis | Reverb (8 levels)<br>Chorus (E. Piano only) |
| | Piano Resonance | | Key Off Resonance<br>String Resonance<br>Damper Resonance | Damper Resonance | Damper Resonance |
| | Acoustic Layering | | Yes | No | |
| | Accent Pedal | | Yes | No | |
| **Metronome** | Beat | | 2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8 | | 0, 2, 3, 4, 6 |
| | Volume | | 10 levels | 8 levels | |
| **Recorder** | Tracks | | 2 | | – |
| | Song | | 1 (Storable) | 1 | – |
| | Note Storage | | Approx. 10,000 notes | Approx. 5,000 notes | – |
| | Tempo | | Quarter note = 10 to 500 | Quarter note = 20 to 250 | – |
| | Resolution | | 120 ticks per quarter note | 96 ticks per quarter note | – |
| | Control | | Play/Stop, Rec, Tempo, All Song Play, Track Select | | – |
| | Internal Songs | | 68 songs + 14 Tone Demo songs | 66 songs + 9 Tone Demo songs | 65 songs |
| **Others** | Rated Power Output | | 50W x 2 | 25W x 2 | 20W x 2 |
| | Speakers | | 20cm x 2 (Speaker Box), 10cm x 2 (Top)<br>Grand Sound | 12cm x 2 | |
| | Display | Beat LED | Yes | | |
| | | 7 segments, 3 characters (LED) | Yes | | No |
| | | Headphones indicator | Yes | | No |
| | Control | | Volume, Brilliance | Volume, Brilliance (Bright, Normal, Mellow) | Volume |
| | Pedals | | Damper (half-pedal recognition)<br>Soft (half-pedal recognition)<br>Sostenuto (function assignable) | Damper<br>Soft<br>Sostenuto | |
| | Keyboard Cover | | Yes | | |
| | Music Clips | | Yes | MH: Yes / PE: No * | No |
| | Connectors | | Output jacks (L/Mono, R), Input jacks (L/Mono, R), Headphone jack x 2 (Stereo), MIDI In connector, MIDI Out connector, USB connector (MIDI) | Output jacks (L/Mono, R), Input jacks (L/Mono, R), Headphone jack x 2 (Stereo), MIDI In connector, MIDI Out connector | Output jacks (L/Mono, R), Input jacks (L/Mono, R), Headphone jack x 2 (Stereo), MIDI In connector, MIDI Out connector |
| | Power Consumption | | 110 W | 55 W | 48 W |
| | Cabinet Finish | | Simulated Mahogany | Simulated Mahogany (MH) / Simulated Polished Ebony (PE) | Simulated Mahogany |
| | Dimensions | Incl. Piano Stand w/o Music Rest | 1,421 (W) x 526 (D) x 894 (H) mm | MH: 1,388 (W) x 425 (D) x 836 (H) mm<br>PE: 1,398 (W) x 427 (D) x 837 (H) mm | 1,388 (W) x 397 (D) x 810 (H) mm |
| | | | 56 (W) x 20-3/4 (D) x 35-1/4 (H) inches | MH: 54-11/16 (W) x 16-3/4 (D) x 32-15/16 (H) inches<br>PE: 55-1/16 (W) x 16-13/16 (D) x 33 (H) inches | 54-11/16 (W) x 15-11/16 (D) x 31-15/16 (H) inches |
| | | Incl. Piano Stand and Music Rest | 1,421 (W) x 526 (D) x 1,098 (H) mm | MH: 1,388 (W) x 425 (D) x 1,025 (H) mm<br>PE: 1,398 (W) x 427 (D) x 1,027 (H) mm | 1,388 (W) x 397 (D) x 1,000 (H) mm |
| | | | 56 (W) x 20-3/4 (D) x 43-1/4 (H) inches | MH: 54-11/16 (W) x 16-3/4 (D) x 40-3/8 (H) inches<br>PE: 55-1/16 (W) x 16-13/16 (D) x 40-7/16 (H) inches | 54-11/16 (W) x 15-11/16 (D) x 39-3/8 (H) inches |
| | Weight | Incl. Piano Stand | 79 kg<br>175 lbs | 53 kg<br>117 lbs | 42 kg<br>93 lbs |
| | Accessories | | Owner's Manual, Power Cord,<br>Roland 60 Classical Piano Masterpieces, Headphone Hook,<br>USB Installation Guide, CD-ROM (Roland Digital Piano USB Driver) | Owner's Manual, Power Cord,<br>Roland 60 Classical Piano Masterpieces, Headphone Hook | Owner's Manual, Power Cord, Headphone Hook |

*MH = Simulated Mahogany finish PE = Simulated Polished Ebony finish

## System requirements for USB (HP107)

### Windows

● Operating System: Microsoft® Windows® XP Home Edition / XP Professional / 2000 Professional / Me / 98 / 98SE ● Computer: Windows-compatible personal computer equipped with a USB port ● CPU / Clock: Pentium®processor 200 MHz or higher (Pentium®processor 400 MHz or higher on Windows®XP) ● Memory (RAM): 64MB or more (128MB or more on Windows® XP/2000)
● Incompatible Chipset : VIA Apollo BX, VIA Apollo MVP3, VIA Apollo MVP4

### Macintosh

● Operating System: Mac OS 9.0.4 or later, Mac OS X v10.2 or later ● Computer: USB ready Apple® Macintosh® ● CPU / Clock : PowerPC G3 233 MHz or higher ● Memory (RAM): 64 MB or more (128 MB or more on Max OS X)
* Mac OS 9: Requires OMS 2.3.5 or later, or FreeMIDI 1.35 or later.
* Mac OS X: The digital piano will not operate in the Mac OS X Classic environment, and will be unusable while the Classic environment is running.

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